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Martinez J.
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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/103,287A

DATE: 04/07/2000
TIME: 15:30:30

Input Set: I103287A.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: Wallis, Nicola G.
2 Burnham, Martin K. R.
3 <120> TITLE OF INVENTION: Murc
4 <130> FILE REFERENCE: GM10025
5 <140> CURRENT APPLICATION NUMBER: US/09/103,287A
6 <141> CURRENT FILING DATE: 1998-06-23
7 <150> EARLIER APPLICATION NUMBER: US 60/052,720
8 <151> EARLIER FILING DATE: 1997-07-03
9 <160> NUMBER OF SEQ ID NOS: 6
10 <170> SOFTWARE: FastSEQ for Windows Version 4.0
11 <210> SEQ ID NO 1
12 <211> LENGTH: 1351
13 <212> TYPE: DNA
14 <213> ORGANISM: Staphylococcus aureus
15 <400> SEQUENCE: 1
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17 atgagttcat tagcacaaat catgcacatgtt ttaggacatg
18 gagaactacg tatttacaga agttgctttt agaaaataaagg
19 ggtgctaata acataaaaaga agatatggta gttatacaaa
20 catgaagaaa tagtacgtgc acatcaattt aaatttagat
21 ttaggacaga ttatttgcata atataacttca gtagctgtat
22 tctacaacag gtttattatc acatgttatg aatggtgat
23 ggtgatggca caggtatggg attgcctgaa agtgattat
24 tatagacgtc acttttaag ttataaacctt gattacgcatt
25 gatcatcctg attatttcaa agatattat gatgtttt
26 cataatgtta aaaaaggat tattgcttgg ggtgatgat
27 gcagatgttc caatttatta ctatggattt aaagattcgt
28 attcaaattt ccgataaagg tactgctttt gatgtgtat
29 cacttcctgt ctccacaata tggtgaccat acagtttta
30 attagttttagagaagctt agatgttaca aatattaaat
31 ggtgttaaac gtcgttcaa taaaactaca attgcaat
32 gcacaccatc caagagaaat tagtgctaca attgacaca
33 aaagaagttt ttcgttattt tcaaccacac actttctct
34 gaatttgcag aaagttttag taaaaggat cgtgttattt
35 attagagaaa attctggcgc attaacgtata caagattta
36 tcgttcatat atgaagatct tattatgtt ttagaacaat
37 tttatgggtt caggtgatattt tcaaaaatattt caaaatgcatt
38 aaaaatgcgt tttatatgtt tataataga g
39 <210> SEQ ID NO 2
40 <211> LENGTH: 437
41 <212> TYPE: PRT
42 <213> ORGANISM: Staphylococcus aureus
43 <400> SEQUENCE: 2
44 Met Thr His Tyr His Phe Val Gly Ile Lys Gly

Met Thr His Tyr His Phe Val Gly Ile Lys Gly Ser Gly Met Ser Ser

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45	1	5	10	15
46	Leu Ala Gln Ile Met His Asp Leu Gly His Glu Val Gln Gly Ser Asp			
47	20	25	30	
48	Ile Glu Asn Tyr Val Phe Thr Glu Val Ala Leu Arg Asn Lys Gly Ile			
49	35	40	45	
50	Lys Ile Leu Pro Phe Gly Ala Asn Asn Ile Lys Glu Asp Met Val Val			
51	50	55	60	
52	Ile Gln Gly Asn Ala Phe Ala Ser Ser His Glu Glu Ile Val Arg Ala			
53	65	70	75	80
54	His Gln Leu Lys Leu Asp Val Val Ser Tyr Asn Asp Phe Leu Gly Gln			
55	85	90	95	
56	Ile Ile Asp Gln Tyr Thr Ser Val Ala Val Thr Gly Ala His Gly Lys			
57	100	105	110	
58	Thr Ser Thr Thr Gly Leu Leu Ser His Val Met Asn Gly Asp Lys Lys			
59	115	120	125	
60	Thr Ser Phe Leu Ile Gly Asp Gly Thr Gly Met Gly Leu Pro Glu Ser			
61	130	135	140	
62	Asp Tyr Phe Ala Phe Glu Ala Cys Glu Tyr Arg Arg His Phe Leu Ser			
63	145	150	155	160
64	Tyr Lys Pro Asp Tyr Ala Ile Met Thr Asn Ile Asp Phe Asp His Pro			
65	165	170	175	
66	Asp Tyr Phe Lys Asp Ile Asn Asp Val Phe Asp Ala Phe Gln Glu Met			
67	180	185	190	
68	Ala His Asn Val Lys Lys Gly Ile Ile Ala Trp Gly Asp Asp Glu His			
69	195	200	205	
70	Leu Arg Lys Ile Glu Ala Asp Val Pro Ile Tyr Tyr Tyr Gly Phe Lys			
71	210	215	220	
72	Asp Ser Asp Asp Ile Tyr Ala Gln Asn Ile Gln Ile Thr Asp Lys Gly			
73	225	230	235	240
74	Thr Ala Phe Asp Val Tyr Val Asp Gly Glu Phe Tyr Asp His Phe Leu			
75	245	250	255	
76	Ser Pro Gln Tyr Gly Asp His Thr Val Leu Asn Ala Leu Ala Val Ile			
77	260	265	270	
78	Ala Ile Ser Tyr Leu Glu Lys Leu Asp Val Thr Asn Ile Lys Glu Ala			
79	275	280	285	
80	Leu Glu Thr Phe Gly Gly Val Lys Arg Arg Phe Asn Glu Thr Thr Ile			
81	290	295	300	
82	Ala Asn Gln Val Ile Val Asp Asp Tyr Ala His His Pro Arg Glu Ile			
83	305	310	315	320
84	Ser Ala Thr Ile Asp Thr Ala Arg Lys Lys Tyr Pro His Lys Glu Val			
85	325	330	335	
86	Val Ala Val Phe Gln Pro His Thr Phe Ser Arg Thr Gln Ala Phe Leu			
87	340	345	350	
88	Asn Glu Phe Ala Glu Ser Leu Cys Lys Ala Asp Arg Val Phe Leu Cys			
89	355	360	365	
90	Glu Ile Phe Gly Ser Ile Arg Glu Asn Ser Gly Ala Leu Thr Ile Gln			
91	370	375	380	
92	Asp Leu Ile Asp Lys Ile Gly Gly Ala Ser Phe Ile Asn Glu Asp Leu			
93	385	390	395	400
94	Ile Asn Val Leu Glu Gln Phe Asp Asn Ala Val Val Leu Phe Met Gly			

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95	405	410	415
96	Ala Gly Asp Ile Gln Lys Leu Gln Asn Ala Tyr Leu Asp Lys Leu Gly		
97	420	425	430
98	Met Lys Asn Ala Phe		
99	435		
100	<210> SEQ ID NO 3		
101	<211> LENGTH: 660		
102	<212> TYPE: DNA		
103	<213> ORGANISM: Staphylococcus aureus		
104	<400> SEQUENCE: 3		
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106	tgttgatgtg tatgtggatg gtgagttta tgatcacttc ctgtctccac aatatggtga	120	
107	ccatacagtt ttaaatgcat tagctgtaat tgcgattagt tatttagaga agcttagatgt	180	
108	tacaaatatt aaagaagcat tagaaacgtt tgggtgggtt aaacgtcggtt tcaatgaaac	240	
109	tacaattgca aatcaagttt ttgttagatga ttatgcacac catccaagag aaatttagtgc	300	
110	tacaattgac acagcacgaa agaaatatcc acataaagaa gttgttgcag tatttcaacc	360	
111	acacacttcc tctagaacac aagcattttt aaatgaattt gcagaaagtt taagtaaagc	420	
112	agatcgtgta ttcttatgtg aaatttttgg atcaatttga gaaaatactg gcgcattaaac	480	
113	gatacaagat ttaattgata aaatttgaagg tgcattgtt attaatgaag attctattaa	540	
114	tgtttagaa caatttgcata atgctgtgt tttattttatg ggtgcagggtg atattcaaaa	600	
115	attacaaaat gcatatttag ataaatttagg catgaaaat gcttttaat atgtttataa	660	
116	<210> SEQ ID NO 4		
117	<211> LENGTH: 215		
118	<212> TYPE: PRT		
119	<213> ORGANISM: Staphylococcus aureus		
120	<400> SEQUENCE: 4		
121	Phe Lys Asp Ser Asp Asp Ile Tyr Ala Gln Ile Phe Gln Ile Thr Asp		
122	1 5 10 15		
123	Lys Gly Thr Ala Val Asp Val Tyr Val Asp Gly Glu Phe Tyr Asp His		
124	20 25 30		
125	Phe Leu Ser Pro Gln Tyr Gly Asp His Thr Val Leu Asn Ala Leu Ala		
126	35 40 45		
127	Val Ile Ala Ile Ser Tyr Leu Glu Lys Leu Asp Val Thr Asn Ile Lys		
128	50 55 60		
129	Glu Ala Leu Glu Thr Phe Gly Gly Val Lys Arg Arg Phe Asn Glu Thr		
130	65 70 75 80		
131	Thr Ile Ala Asn Gln Val Ile Val Asp Asp Tyr Ala His His Pro Arg		
132	85 90 95		
133	Glu Ile Ser Ala Thr Ile Asp Thr Ala Arg Lys Lys Tyr Pro His Lys		
134	100 105 110		
135	Glu Val Val Ala Val Phe Gln Pro His Thr Phe Ser Arg Thr Gln Ala		
136	115 120 125		
137	Phe Leu Asn Glu Phe Ala Glu Ser Leu Ser Lys Ala Asp Arg Val Phe		
138	130 135 140		
139	Leu Cys Glu Ile Phe Gly Ser Ile Arg Glu Asn Thr Gly Ala Leu Thr		
140	145 150 155 160		
141	Ile Gln Asp Leu Ile Asp Lys Ile Glu Gly Ala Ser Leu Ile Asn Glu		
142	165 170 175		
143	Asp Ser Ile Asn Val Leu Glu Gln Phe Asp Asn Ala Val Val Leu Phe		
144	180 185 190		

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145 Met Gly Ala Gly Asp Ile Gln Lys Leu Gln Asn Ala Tyr Leu Asp Lys
146 195 200 205
147 Leu Gly Met Lys Asn Ala Phe
148 210 215
149 <210> SEQ ID NO 5
150 <211> LENGTH: 19
151 <212> TYPE: DNA
152 <213> ORGANISM: Staphylococcus aureus
153 <400> SEQUENCE: 5
154 cttcattaat gaacgatgc 19
155 <210> SEQ ID NO 6
156 <211> LENGTH: 19
157 <212> TYPE: DNA
158 <213> ORGANISM: Staphylococcus aureus
159 <400> SEQUENCE: 6
160 gttacaaata ttaaagaag 19

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Line ? Error/Warning

Original Text
